1	WE CLAIM:
2	
3	1. The method of providing for a fluid
4	treatment, that includes
5	a) providing a treatment zone containing
6	granular activated charcoal, and
7	b) providing a stream of water containing
8	nutrients, contaminant degrading microbes and dissolved
9	oxygen, and
10	c) introducing said stream to said
11	treatment zone to effect adsorption of said nutrients
12	and microbes onto the granular activated charcoal,
13	thereby to provide a contaminant treatment matrix,
14	whereby contaminant in fluid flow through the matrix is
15	reduced.
16	
17	
18	2. The method of claim 1 wherein the
19	granular activated charcoal in said zone has one of the
20	following forms:
21	i) pellets
22	ii) a mat or mats
23	iii) fabric
24	iv) a support matrix
25	v) adsorption media.

1	3. The method of claim 1 including passing
2	treatable aqueous fluid into contact with said
3	substances, in a treatment path, and recovering treated
4	fluid from said path.
5	
6	
7	4. The method of claim 1 wherein said
8	granular activated charcoal is disposed as a porous
9	support media for said nutrients and microbes.
10	
11	
12	5. The method of claim 3 including
13	adjusting the pH of the fluid to between 6.0 and 8.5
14	prior to said introducing step.
15	
16	
17	6. The method of claim 5 including
18	adjusting the temperature of said fluid to a level less
19	than 110°F, prior to said introducing step.
20	
21	
22	7. The method of claim 1 including
23	adjusting the temperature of said fluid to a level less
24	than 110°F, prior to said introducing step.
25	
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1	8. The method of claim 1 including
2	introducing $0_2$ to said treatment zone.
3	
4	
5	9. The method of claim 1 including aerating
6	said treatment zone.
7	
8	
9	10. The method of claim 1 including
10	providing a series of said treatment zones, and a
11	seeding zone upstream of said treatment zones, and from
12	which microbes are supplied in fluid flow to the
13	treatment zones, for adsorption on the granular
14	activated charcoal therein.
15	
16	
17	11. The method of claim 1 including passing
18	waste water containing toxic contaminants through said
19	matrix, to reduce said contaminants.
20	
21	
22	12. The method of claim 1 including passing
23	gas transported toxic through said matrix, to reduce
24	said contamination.
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